



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/807,177

03/24/2004

Kazuto Ariga

03560.003446.

4196

5514

7590

11/13/2008

FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

SELBY, GEVELL V

ART UNIT

PAPER NUMBER

2622

MAIL DATE

DELIVERY MODE

11/13/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/807,177	Applicant(s) ARIGA, KAZUTO	
	Examiner GEVELL SELBY	Art Unit 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 8-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 8-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see the amendment, filed 8.29.08, with respect to the rejection(s) of claim(s) 8-11 under 35 U.S.C. 103 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Koyama et al., US 7,079,185.

2. Applicant's arguments filed 10/17/08 have been fully considered but they are not persuasive. The applicant submits the prior art does not disclose the following limitations of the claimed invention:

wherein said chassis comprises first bent portions positioned at opposing ends of said chassis, fixed to the front and rear covers of the exterior member by a plurality of fixing members formed on the first bent portions in order to fix said chassis to said exterior member, and a second bent portion formed between the first bent portions, as stated in claim 8. The Examiner respectfully disagrees.

Examiner's Reply:

Re Claim 8) The Fuchimukai reference discloses wherein said chassis comprises first bent portions positioned at opposing ends of said chassis (see figure 2, elements 4, 5, and 6 on the top end of the chassis and elements 19, 18, and 32a on the bottom end), a plurality of fixing members (see figure 1, element 10 a and b and 15 a and b and figure 2, elements 32 and 32a) and formed on the first bent portions in order to fix said chassis to said exterior member (see column 4, lines 4-32 and column 5, lines 52-56: it is implied the card guides are secured to the body of the camera, in order for the cards and chassis no the move around in the camera and the tripod

Art Unit: 2622

hole secures the chassis to the bottom of the body), and a second bent portion formed between the first bent portions (see figure 2, element 13). The Fuchimukai reference does not specifically disclose that it's first bent portions of the chassis are fixed to the front and rear covers of the exterior member. The Fukuda reference is used to teach fixing portions of the chassis to the front and rear covers of the exterior member by screws or fixing members (see figure 1 and 3 and para 17-21). Therefore it would have be obvious to one of ordinary skill in the art to modify the bent portions of the Fuchimukai reference in view of the Fukuda reference to have the bent portions fixed to the front and rear covers, in order to properly secure the camera components, give the camera high strength, and high resistance to noise.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fuchimukai, US 7,116,363, in view of Fukuda, 2002/0031347 and Koyama et al., US 7,079,185.

In regard to claim 8, Fuchimukai, US 7,116,363, discloses the image pickup apparatus comprising:

a lens barrel (see figure 1, element 35);

Art Unit: 2622

an exterior member (see figure 2, element 2) comprising front and rear covers, each extending from a first side to a second side of the apparatus (see figure 2, element 2: the camera body serves as the front cover is on the lens side and the rear cover on the side opposite the lens side)

a chassis (see figure 2, element 4), extending from the first side (lens side) to the second side of the apparatus (rear side);

wherein said chassis comprises first bent portions positioned at opposing ends of said chassis (see figure 2, elements 4, 5, and 6 on the top end of the chassis and elements 19, 18, and 32a on the bottom end),

a plurality of fixing members (see figure 1, element 10 a and b and 15 a and b and figure 2, elements 32 and 32a) and formed on the first bent portions in order to fix said chassis to said exterior member (see column 4, lines 4-32 and column 5, lines 52-56: it is implied the card guides are secured to the body of the camera, in order for the cards and chassis not to move around in the camera and the tripod hole secures the chassis to the bottom of the body), and

a second bent portion formed between the first bent portions (see figure 2, element 13); and

it is implied the digital camera 1 of the Fuchimukai reference comprises an image pickup device for converting an object image into an electrical signal, in order to capture image and convert them to digital images and save them on the memory card.

Art Unit: 2622

The Fuchimukai reference does not disclose wherein the first bent portions of the chassis are fixed to the front and rear covers of the exterior member. It is well known to one of ordinary skill in the art to have portions of the chassis are fixed to the front and rear covers of the exterior member.

Fukuda, US 2002/0031347, discloses an image pickup unit with a front and rear main body members (1 & 2) with coupling chassis (3 & 4), wherein portions of the chassis are fixed to the front and rear covers of the exterior member by screws (14-19) or fixing members (see figure 1 and 3 and para 17-21).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify Fuchimukai, US 7,116,363, in view of Fukuda, 2002/0031347, to have the first bent portions of the chassis are fixed to the front and rear covers of the exterior member, in order to properly secure the camera components, give the camera high strength, and high resistance to noise.

Neither reference specifically discloses an image display unit and the chassis being disposed at least between the lens barrel and the image display unit. However, it is well known to one of ordinary skill in the art to have a lens barrel on the front of a camera, a display on the back and a chassis between inside the camera body.

Koyama et al., US 7,079,185, teaches for a camera to have a lens unit 67 on the front cover of the camera, a display unit 63 on the back cover, and a chassis 55 between the cover fixing them together (see figure 10 and column 25, lines 4-11). The display 63 displays the photographed image along with setting and photographing information (see column 22, lines 54-58).

It would have been obvious to one of ordinary skill in the art at the time of invention to have been motivated to modify the combination of Fuchimukai and Fukuda, in view of the Koyama reference to have an image display unit and the chassis being disposed at least between the lens barrel and the image display unit, in order for the user to easily and quickly view the image captured and other information by looking at the display on the back of the camera.

In regard to claim 9, Fuchimukai, US 7,116,363, in view of Fukuda, 2002/0031347 and Koyama et al., US 7,079,1857, discloses the image pickup apparatus according to Claim 8. The Fuchimukai reference further comprising a recording-medium accommodating unit (see figure 2, element 11), wherein said recording-medium accommodating unit is located in a space formed between one of the first bent portions and the second bent portion (see figure 2, element A and column 3, lines 54-60).

In regard to claim 10, Fuchimukai, US 7,116,363, in view of Fukuda, 2002/0031347 and Koyama et al., US 7,079,1857, discloses the image pickup apparatus according to Claim 9. The Fuchimukai reference discloses wherein said recording-medium accommodating unit is covered by a covered portion (see figure 1, element 36) which is located between one of the first bent portions and the second bent portion of said chassis and is facing said exterior member (see column 6, lines 8-11).

In regard to claim 11, Fuchimukai, US 7,116,363, in view of Fukuda, 2002/0031347 and Koyama et al., US 7,079,1857, discloses the image pickup apparatus according to Claim 9. The Fuchimukai reference discloses further comprising a battery accommodating unit (see figure 2, element 14 and column 4, lines 6-9), wherein said

Art Unit: 2622

recording-medium accommodating unit is fixed to said battery accommodating unit (see figure 2).

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GEVELL SELBY whose telephone number is (571)272-7369.

The examiner can normally be reached on 8:00 A.M. - 5:30 PM (every other Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on 571-272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2622

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

gvs

/Lin Ye/

Supervisory Patent Examiner, Art Unit 2622